

SHUT-OFF LIGHTING CONTROL ACCEPTANCE DOCUMENT



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| CERTIFICATE OF ACCEPTANCE | | NRCA-LTI-02-A |
| Shut-Off Lighting Control Acceptance Document | | (Page 1 of 3) |
| Project Name: | Enforcement Agency: | Permit Number: |
| Project Address: | City: | Zip Code: |

| | |
|---|---|
| Compliance Results: [COMPLIES or DOES NOT COMPLY] | Enforcement Agency Use: Checked by/Date |
|---|---|

Intent: This document is used to demonstrate compliance with acceptance requirements in [§130.4\(a\)4](#) and Reference Nonresidential Appendix [NA7.6.2](#) for shut-off lighting controls. Attach additional sets of pages 1 through 2, as required, for all controls that must be tested.

Indicate all types of shut-off controls tested for this project:

| | |
|--------------------------|---|
| <input type="checkbox"/> | Automatic time switch lighting controls (<i>Sections A-1 and B-1 of this document should be completed</i>) |
| <input type="checkbox"/> | Occupant sensing lighting controls (including occupant sensors, partial-ON occupant sensors, partial-OFF occupant sensors, and/or vacancy sensors) (<i>Sections A-2 and B-2 of this document should be completed</i>) |

| Automatic Time Switch Lighting Controls | | | |
|--|---|---|----------|
| Building: | Floor: | Room: | Control: |
| A-1. Automatic Time Switch Lighting Control Construction Inspection (NA7.6.2.4) | | | |
| <input type="checkbox"/> | a. | Automatic time switch controls are programmed with acceptable weekday, weekend, and holiday (if applicable) schedules. (NA7.6.2.4(a) , §110.9(b)1Aii , §130.1(c)1A , §130.1(c)4) | |
| <input type="checkbox"/> | b. | Document for the owner weekday, weekend, and holidays schedules, as well as all set-up and preference program settings. (NA7.6.2.4(b)) | |
| <input type="checkbox"/> | c. | The correct time and date are properly set in the time switch. (NA7.6.2.4(c)) | |
| <input type="checkbox"/> | d. | The battery backup (if applicable) is installed and energized. (NA7.6.2.4(d) , §110.9(b)1) | |
| <input type="checkbox"/> | e. | Override time limit is no more than 2 hours. (NA7.6.2.4(e) , §110.9(b)1Ai , §130.1(c)3B) OR The automatic time switch control's override time is exempt from the 2-hour limit. (EXCEPTION to §130.1(c)3B) | |
| <input type="checkbox"/> | f. | Override switches remote from area with controlled luminaires have annunciator lights. (NA7.6.2.4(f) , §130.1(c)3A , §130.1(a)) OR The manual override switch is exempt from being in the same enclosed area with the lighting it controls. (EXCEPTION 1 to §130.1(a)2) | |
| Construction Inspection Compliance: <input type="radio"/> Complies <input type="radio"/> Does Not Comply | | | |
| B-1. Automatic Time Switch Lighting Control Functional Testing (NA7.6.2.5) | | | |
| Confirm compliance (Y - yes / N - no) for the control being tested. | | | |
| Step 1: Simulate occupied condition. (NA7.6.2.5(a)) | | | |
| a. | All lights can be turned on and off by their respective area control switch. (NA7.6.2.5(a)1) | | |
| b. | The switch only operates lighting in the enclosed space (ceiling-height partitioned area) in which the switch is located. (NA7.6.2.5(a)2 , §130.1(c)1C) | | |
| c. | For the area controlled by an automatic time switch control with a time override located in and for the area, the lighting can be turned on manually by initiating the time override. The lighting is configured to remain on for no more than 2 hours, unless the area is exempt from the 2-hour time override limit. (NA7.6.2.5(a)3 , §110.9(b)1Ai , §130.1(c)3B , EXCEPTION to §130.1(c)3B) | | |
| d. | For the area controlled by an automatic time switch control with an automatic holiday shut-off feature, the lighting in the area can be turned off automatically by initiating the holiday shut-off. (NA7.6.2.5(a)4 , §110.9(b)1Aii , §130.1(c)4) OR The automatic time switch control is exempt from incorporating an automatic holiday shut-off feature. (EXCEPTION to §130.1(c)4) | | |
| e. | For the area controlled by an automatic time switch control with manual-on mode configured, the lighting in the area can be turned on manually when it is manually activated. (NA7.6.2.5(a)5 , §130.1(c)1E) OR The automatic time switch control does not include or utilize a manual-on mode. (§130.1(c)1E) | | |
| Step 2: Simulate unoccupied condition. (NA7.6.2.5(b)) | | | |
| a. | All non-exempt lighting turns off in accordance with the programmed time switch schedules. (NA7.6.2.5(b)1 , §130.1(c)1A) | | |
| b. | Manual override switch allows only the lights in the enclosed space (ceiling height partitioned) where the override switch is located to turn on or remain on until the next scheduled shut off occurs. (NA7.6.2.5(b)2 , §130.1(c)1C , §130.1(c)3) | | |
| Functional Testing Compliance: <input type="radio"/> Complies <input type="radio"/> Does Not Comply | | | |

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| Occupant Sensing Lighting Controls | | |
|--|--|--|
| Building: | Floor: | Room: |
| Control: | | |
| <input type="checkbox"/> | Control is representative of sample. (NA7.6.2.3) If sampling method is used, attach a page listing untested controls in sample. | |
| A-2. Occupant Sensing Lighting Control Construction Inspection (NA7.6.2.2) | | |
| <input type="checkbox"/> | a. | Occupant sensors have been located to minimize false signals. (NA7.6.2.2(a)) |
| <input type="checkbox"/> | b. | Occupant sensors are located no closer than four (4) feet from any HVAC diffuser. (NA7.6.2.2(b)) |
| <input type="checkbox"/> | c. | Passive infrared sensor pattern does not enter into adjacent zones. (NA7.6.2.2(c)) |
| <input type="checkbox"/> | d. | Occupant sensors do not encounter any obstructions that could adversely affect desired performance. (NA7.6.2.2(d)) |
| <input type="checkbox"/> | e. | Ultrasonic occupant sensors do not emit audible sound. (NA7.6.2.2(e) , §110.9(b)6Bii) |
| Construction Inspection Compliance: <input type="radio"/> Complies <input type="radio"/> Does Not Comply | | |
| B-2. Occupant Sensing Lighting Control Functional Testing (NA7.6.2.3) | | |
| Confirm compliance (Y - yes / N - no) for the control being tested. | | |
| Step 1: Simulate an unoccupied condition. (NA7.6.2.3(a)) | | |
| a. | Lights controlled by occupant sensing control turn off or partially off, if applicable, within a maximum of 20 minutes from start of an unoccupied condition. (NA7.6.2.3(a)1 , §110.9(b)4A) | |
| | In the partial off state, partial-OFF occupant sensors automatically reduce lighting power by at least 50% (§130.1(c)6A-C , §130.1(c)7A), OR : <ul style="list-style-type: none"> For metal halide or high pressure sodium lighting in warehouses, automatically reduce lighting power by at least 40% (EXCEPTION 2 to §130.1(c)6A). In aisle ways and open areas in warehouses in which the installed lighting power is 80% or less of the value allowed under the Area Category Method, automatically reduce lighting power by at least 40% (EXCEPTION 1 to §130.1(c)6A). In corridors and stairwells in which the installed lighting power is 80% or less of the value allowed under the Area Category Method, automatically reduce lighting power by at least 40% (EXCEPTION to §130.1(c)7A). | |
| | Occupant sensing controls in parking garages, parking areas, and loading and unloading areas have at least one control step between 20 to 50% of design lighting power (§130.1(c)7B). OR Occupant sensing controls for metal halide luminaires with a lamp plus ballast mean system efficacy of 75 lumens per watt in parking garages, parking areas, and loading and unloading areas have at least one control step between 20 to 60% of design lighting power (EXCEPTION to §130.1(c)7B). | |
| b. | The occupant sensing control does not trigger a false "on" from movement in an area adjacent to the controlled space or from HVAC operation. (NA7.6.2.3(a)2) | |
| c. | Signal sensitivity is adequate to achieve desired control. (NA7.6.2.3(a)3) For library book stacks or warehouse aisles, activity beyond the stack or aisle shall not activate the lighting in the stack or aisle. (§130.1(c)6A , §130.1(c)6B) | |
| Step 2: Simulate an occupied condition. (NA7.6.2.3(b)) | | |
| a. | Status indicator or annunciator operates correctly. (NA7.6.2.3(b)1 , §110.9(b)4C) | |
| b. | Immediately upon an occupied condition (NA7.6.2.3(b)2): <ul style="list-style-type: none"> Lights controlled by an occupant sensor or a partial-OFF occupant sensor turn on; OR A vacancy sensor indicates a space is "occupied" and lights may be turned on manually; OR The first stage of a partial-ON occupant sensor automatically activates between 50 to 70% of the lighting. (§130.1(c)5A) | |
| | After the first stage occurs for partial-ON occupant sensors, manual switches allow an occupant to activate the alternate set of lights, activate 100% of the lighting power, and manually deactivate all of the lights. | |
| Functional Testing Compliance: <input type="radio"/> Complies <input type="radio"/> Does Not Comply | | |

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DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Acceptance documentation is accurate and complete.

| | |
|------------------------------------|---|
| Documentation Author Name: | Documentation Author Signature: |
| Documentation Author Company Name: | Date Signed: |
| Address: | CEA/ATT Certification Identification (If applicable): |
| City/State/Zip: | Phone: |

FIELD TECHNICIAN'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

- The information provided on this Certificate of Acceptance is true and correct.
- I am the person who performed the acceptance verification reported on this Certificate of Acceptance (Field Technician).
- The construction or installation identified on this Certificate of Acceptance complies with the applicable acceptance requirements indicated in the plans and specifications approved by the enforcement agency, and conforms to the applicable acceptance requirements and procedures specified in Reference Nonresidential Appendix NA7.
- I have confirmed that the Certificate(s) of Installation for the construction or installation identified on this Certificate of Acceptance has been completed and signed by the responsible builder/installer and has been posted or made available with the building permit(s) issued for the building.

| | | |
|--------------------------------|---|--------------|
| Field Technician Name: | Field Technician Signature: | |
| Field Technician Company Name: | Position with Company (Title): | |
| Address: | ATT Certification Identification (if applicable): | |
| City/State/Zip: | Phone: | Date Signed: |

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

- I am the Field Technician, or the Field Technician is acting on my behalf as my employee or my agent and I have reviewed the information provided on this Certificate of Acceptance.
- I am eligible under Division 3 of the Business and Professions Code in the applicable classification to accept responsibility for the system design, construction or installation of features, materials, components, or manufactured devices for the scope of work identified on this Certificate of Acceptance and attest to the declarations in this statement (responsible acceptance person).
- The information provided on this Certificate of Acceptance substantiates that the construction or installation identified on this Certificate of Acceptance complies with the acceptance requirements indicated in the plans and specifications approved by the enforcement agency, and conforms to the applicable acceptance requirements and procedures specified in Reference Nonresidential Appendix NA7.
- I have confirmed that the Certificate(s) of Installation for the construction or installation identified on this Certificate of Acceptance has been completed and is posted or made available with the building permit(s) issued for the building.
- I will ensure that a completed, signed copy of this Certificate of Acceptance shall be posted, or made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a signed copy of this Certificate of Acceptance is required to be included with the documentation the builder provides to the building owner at occupancy.

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|----------------------------------|--------------------------------|--------------|
| Responsible Person Name: | Responsible Person Signature: | |
| Responsible Person Company Name: | Position with Company (Title): | |
| Address: | CSLB License: | |
| City/State/Zip: | Phone: | Date Signed: |